

## SEQUENCE LISTING

<110> Syngenta Participations AG  
Pleines, Stephan C  
Stiewe, Gunther R-K  
Brummermann, Katja  
Gielen, Johannes J L

<120> IMPROVED FERTILITY RESTORATION FOR OGURA CYTOPLASMIC MALE STERILE  
BRASSICA AND METHOD

<130> 70279USPCT

<150> GB 0402106.9  
<151> 2004-01-30

<150> PCT/EP2005/000877  
<151> 2005-01-28

<150> US 10/582,696  
<151> 2006-04-13

<160> 41  
<170> PatentIn version 3.4

<210> 1  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1127

<400> 1  
gggaaaggaa ggaaggactc

20

<210> 2  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1128

<400> 2  
tcaggttcac acagcagcat a

21

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1135

<400> 3  
ataggttccct ggcagagatg

20

<210> 4  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1136

<400> 4  
atagcagtca gaaaccgctc 20

<210> 5  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1137

<400> 5  
ctgatgaatc tcggtgagac 20

<210> 6  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1138

<400> 6  
ccgtatgcct tggtatctc 20

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1218

<400> 7  
tctgttaatc ctttccaccc 20

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1219

<400> 8  
aaaaaaagcac ccgagaatct 20

<210> 9  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1222

<400> 9  
gcgtgatgat ctgttgagaa 20

<210> 10  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1223

<400> 10  
ggatttgtgg gattggaaa 19

<210> 11  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1224

<400> 11  
gaggttcagg aatgctgtt 20

<210> 12  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1225

<400> 12  
gctcctgtta gtgactcttc a 21

<210> 13  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer 1159

<400> 13  
taacaaaata gagggagagg atg 23

```

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer 1160

<400> 14
caagattata gctacctaac agg 23

<210> 15
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer 16-1

<400> 15
tggtcagcat ttagttcgc cc 22

<210> 16
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer 16-2

<400> 16
ttggttcagtt ccaccaccag cc 22

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer 26-1

<400> 17
gctcacctca tccatcttcc tcag 24

<210> 18
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer 26-2

<400> 18
ctcggtccctt accttctgtg gttg 24

```

<210> 19		
<211> 25		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Artificially synthesized Primer PR0004F		
<400> 19		
acgtggtag gacatgccct ttctg		25
<210> 20		
<211> 26		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Artificially synthesized Primer PR0004R		
<400> 20		
ctggtgtatt ctacctcatc attaaa		26
<210> 21		
<211> 17		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Artificially synthesized EcoRI-adapter Forward primer		
<400> 21		
ctcgtagact gcgtacc		17
<210> 22		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Artificially synthesized EcoRI-adapter Reverse primer		
<400> 22		
aattggtagc cagtctac		18
<210> 23		
<211> 16		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Artificially synthesized MseI-adapter Forward primer		
<400> 23		
gacgatgagt cctgag		16

<210> 24  
<211> 14  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized MseI-adapter Reverse primer

<400> 24  
tactcaggac tcat 14

<210> 25  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized primer E2

<400> 25  
ctcgttagact gcgttaccaat taac 24

<210> 26  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer M4

<400> 26  
gacgatgagt cctgagtaca t 21

<210> 27  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer M13

<400> 27  
gacgatgagt cctgagtact a 21

<210> 28  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer M14

<400> 28  
gacgatgagt cctgagtact c 21

<210> 29  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer E3

<400> 29  
ctcgttagact gcgttaccaat taag 24

<210> 30  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer M1

<400> 30  
gacgttgttt ccttgagtaca a 21

<210> 31  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer M12

<400> 31  
gacgttgttt ccttgagtacg t 21

<210> 32  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer E4

<400> 32  
ctcgttagact gcgttaccaat taat 24

<210> 33  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Artificially synthesized Primer E5

<400> 33  
ctcgttagact gcgttaccaat taca 24

```

<210> 34
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer M16

<400> 34
gacgatgagt cctgagta t 21

<210> 35
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer E6

<400> 35
ctcgttagact gcgttaccaat tacc 24

<210> 36
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer M3

<400> 36
gacgatgagt cctgagtaca g 21

<210> 37
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Primer E8

<400> 37
ctcgttagact gcgttaccaat tact 24

<210> 38
<211> 626
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized Marker sequence

<400> 38
gacgtggta taaaagcgga gaagatggca tccctatgct actgaagatt ccacgcatt 60

```

70279WOPCT

tcgatccgtg gggaggctac agcattattg gattcggtga tattcttttgc	120
taatcgccatt tgctctcagg tccaaaaacc ttttttatac atctcagagt ttcccttcac	180
cgagttccaa gtttcctaa catttgttgc agatgactgg tttagctaaca	240
agactcttcg aaccggctat tttatatggg cgatgggtgc ttacggatta ggtaaaaaaaa	300
tcacacacaa atccgcataa tctcactggt gtattctacc tcattcattaa aaccatttga	360
aaacctcgca ggtctttga ttacttacgt ggctctaaac ctaatggatg gacacggcca	420
accagcattg ctctacattg tccctttac tctcggttag ctggaaaatc tctctctt	480
attcctctct ataacggcat tgaatgagta ttgagagaaa tctcggtatg aaaaatata	540
gaacgatgct tacactagct cgaaaacgag acgaccttg gactctatgg acgaaagagc	600
cagaaagggc atgtcctcac cacgtc	626
<210> 39	
<211> 10	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Artificially synthesized RAPD primer Y17	
<400> 39	
gacgtggta	10
<210> 40	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Artificially synthesized Primer PR0001F1	
<400> 40	
gacgtggta acaagatg	18
<210> 41	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Artificially synthesized Primer PR0001R1	
<400> 41	
acgtggtgat aataaattgg c	21